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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/628,291	07/29/2003	Gopalakrishnan Janakiraman	200208213-1	5391

22879 7590 09/27/2006

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INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

EXAMINER

RAHMAN, FAHMIDA

ART UNIT PAPER NUMBER

2116

DATE MAILED: 09/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Interview Summary</b>	Application No.	Applicant(s)	
	10/628,291	JANAKIRAMAN ET AL.	
	Examiner	Art Unit	
	Fahmida Rahman	2116	

All participants (applicant, applicant's representative, PTO personnel):

(1) Fahmida Rahman. (3) \_\_\_\_\_.

(2) Tiep Nguyen. (4) \_\_\_\_\_.

Date of Interview: 9/22/2006.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 2.

Identification of prior art discussed: Budelman.

Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Representative asked Examiner to explain how the prior art mapped to claim 2, Examiner explained her view to the representative about how prior art taught the claim limitations.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
**LYNNE H. BROWNE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Fahmida Rahman  
9/22/06  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

#### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

#### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiner's Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

**HEWLETT-PACKARD COMPANY**  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

Attorney Docket No.: 100202098-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Inventor(s):** Gopalakrishnan Janakiraman et al. **Confirmation No.:** 5391  
**Serial No.:** 10/628,291 **Examiner:** Fahmida Rahman  
**Filed:** July 29, 2003 **Group Art Unit:** 2116  
**Title:** SUPPLYING POWER TO AT LEAST ONE ELECTRICAL DEVICE  
BASED ON AN EFFICIENT OPERATING POINT OF A POWER SUPPLY

**DIRECT FAX TO EXAMINER AT 571-273-8159**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PROPOSED AGENDA FOR TELEPHONIC INTERVIEW**  
**SCHEDULED FOR SEPTEMBER 22, 2006, AT 10:00AM EST**

Sir:

In response to the Final Office Action dated June 26, 2006, please find below a proposed agenda for the above-identified upcoming telephonic interview with Examiner Fahmida Rahman.

**Non-Statutory Double Patenting Rejection**

<b>Present Application</b>	<b>U.S.P. No. 6,813,897</b>
1. A method of supplying power to at least one electrical device, the method comprising: determining a power demand of the at least one electrical device; determining an efficient operating point for a primary power supply supplying power to the at least one electrical device; and supplying power to meet the power demand of the at least one electrical device using one or more of the primary power	1. A method of supplying power to at least one cooling system component, the method comprising: determining an operating level threshold for the at least one cooling system component, wherein the operating level threshold is one of a plurality of operating levels for the at least one cooling system component; and supplying power to meet the power demand of the at least one cooling system

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<p>supply operating at the efficient operating point and a secondary power supply based on whether the primary power supply operating at the efficient operating point is operable to meet the power demand of the at least one electrical device.</p>	<p>component using one or more of a primary power system and a secondary power system based on whether an operating level of the at least one cooling system component exceeds the operating level threshold.</p> <p>wherein the operating level threshold is associated with one or more of a first efficiency of one or more components in the primary power system and a second efficiency of one or more components in the secondary power system (Claim 12).</p> <p>wherein the first efficiency and the second efficiency are based on one or more of a power factor and efficiency of the one or more components in the first power system and the second power system operating at different output powers (Claim 14).</p>
	<p>8. The method of claim 1, further comprising:</p> <p>determining a power consumption of the at least one cooling system component at the operating level threshold;</p> <p>determining a current power demand of the at least one cooling system component; and</p> <p>supplying power to meet the power demand of the at least one cooling system component further comprises supplying power to meet the current power demand of the at least one cooling system component using both the primary power system and the secondary power system in response to the current power demand exceeding the power consumption of the at least one cooling system component at the operating level threshold.</p>

- In the non-statutory double patenting rejection, features in claims 8 and 12 of the '897 patent were used to reject claim 1 of the present application. Yet, in the "Response to Arguments," features in claims 1, 12, and 14 were used to reject the same claim 1 of the present application. Clarification is requested. It should be noted that although both

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claims 8 and 12 depend on claim 1 in the '897 patent, claims 8 and 12 do not depend on each other.

- Claim 2 recites, "determining whether the power demand of the at least one electrical device exceeds an output power of the primary power supply operating at the efficient operating point." (Emphasis added). Bundelman'608 is concerned with using a *single* power supply with two voltage regulators 420 and 440 to meet the *current demand* (not power demand) of the load at 470 (FIG. 4). It is well settled that Power = Voltage x Current ( $P=VI$ ). Thus, it is not the *power* demand of the load 470 that exceeds the output power of the primary voltage regulator 420. Rather, it is the *current* demand of the load 470 that exceeds the output current of the primary voltage regulator 420. Once the primary voltage regulator 420 is able to meet the current demand of the load 470 and maintain an output voltage within the desired regulated output range (efficient operating point), the second voltage regulator 440 is deactivated (col. 4, ll. 35-58). In contrast, claim 2 indicates "supplying power ... using the primary and secondary power supply in response to determining the power demand of the at least one electrical device exceeds the output power of the primary power supply operating at the efficient operating point." In other words, even when the primary power supply is operating at its efficient operating point, the secondary power supply is still being used.
- Claims 22, 30, and 38 are allowable for the reasons set forth for claim 2 above.

**PATENT**

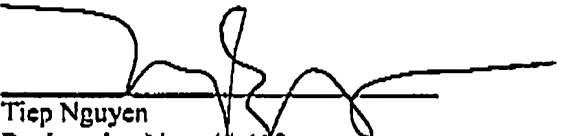
Atty Docket No.: 100202098-1

App. Ser. No.: 10/260,430

Respectfully submitted,

Dated: September 26, 2006

By

  
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